

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	4	US-4254333-\$ DID, OR US-6028978-\$ DID, OR US-6154586-\$ DID, OR US-6642913-\$ DID.	US- PGPUB; USPAT; USOOR	ADJ	ON	2008/10/20 09:30
S2	45	("5858564"   "5914760"   "5965064"   "6195196"   "6288829"   "6327071"   "6338910"   "6344156").PN. OR ("6642913").URPN.	US- PGPUB; USPAT; USOOR	ADJ	ON	2008/10/20 09:31
S3	1	09/054639.app.	US- PGPUB; USPAT; USOOR	ADJ	ON	2008/10/20 09:54
S4	1	10/583986.app.	US- PGPUB; USPAT; USOOR	ADJ	ON	2008/10/20 10:03
S5	14	("3934248"   "4294517"   "4551717"   "4630895"   "4641026"   "5034602").PN. OR ("6369800").URPN.	US- PGPUB; USPAT; USOOR	ADJ	ON	2008/10/20 10:06
S6	251	"345".clas. and optical near4 button	US- PGPUB; USPAT	ADJ	ON	2008/10/20 13:44
S7	5	"345".clas. and optical near4 button with joystick	US- PGPUB; USPAT	ADJ	ON	2008/10/20 13:44
S8	59	"345".clas. and optical near2 sensor with joystick	US- PGPUB; USPAT	ADJ	ON	2008/10/20 13:45
S9	1	("5,694,153").PN.	US- PGPUB; USPAT	OR	OFF	2008/10/20 13:47
S10	561	(345/166).OCLS.	US- PGPUB; USPAT	OR	OFF	2008/10/20 13:49
S11	80	S10 and joystick	US- PGPUB; USPAT	ADJ	ON	2008/10/20 13:49

S12	99	({"3643148"   "4180860"   "4464652"   "4533827"   "4533830"   "4538476"   "4550250"   "4573925"   "4578674"   "4682159"   "4688933"   "4698626"   "4736191"   "4782335"   "4786892"   "4823634"   "4917516"   "4949080"   "5045843"   "5142506"   "5166668"   "5186629"   "5204947"   "5298919"   "5313230"   "5389950"   "5510893"   "5532476"   "D281776"   "D291318"   "D302010"   "D315896").PN. OR ("5694153").URPN.	US- PGPUB; USPAT; USOOR	ADJ	ON	2008/10/20 13:52
S13	7	"09563088"	US- PGPUB; USPAT; USOOR	ADJ	ON	2008/10/20 13:53
S14	1	09/563088.app.	US- PGPUB; USPAT; USOOR	ADJ	ON	2008/10/20 13:53
S15	6	barrowclough-philip.in.	US- PGPUB; USPAT; USOOR	ADJ	ON	2008/10/20 15:18
S16	9	wingett-gary.in.	US- PGPUB; USPAT; USOOR	ADJ	ON	2008/10/20 15:19
S17	6774	(345/156,157,161,166).COLS	US- PGPUB; USPAT	OR	OFF	2008/10/21 08:48
S18	3625	S17 and light	US- PGPUB; USPAT	ADJ	ON	2008/10/21 08:48
S19	1854	S18 and (photodiode or detector or receiver)	US- PGPUB; USPAT	ADJ	ON	2008/10/21 08:48
S20	4544	S17 and (optical or light)	US- PGPUB; USPAT	ADJ	ON	2008/10/21 08:49
S21	2195	S20 and (photodiode or detector or receiver)	US- PGPUB; USPAT	ADJ	ON	2008/10/21 08:49
S22	1106	S21 and (key or keypad)	US- PGPUB; USPAT	ADJ	ON	2008/10/21 08:49

S23	555	S22 and reflect\$3	US- PGPUB; USPAT	ADJ	ON	2008/10/21 08:49
S24	533	S23 and position	US- PGPUB; USPAT	ADJ	ON	2008/10/21 08:50
S25	1848	S17 and light same (light or photo or optical) near3 (diode or detector or receiver or sensor)	US- PGPUB; USPAT	ADJ	ON	2008/10/21 08:52
S26	40	S17 and light same (light or photo or optical) near3 (diode or detector or receiver or sensor) same reflection same position	US- PGPUB; USPAT	ADJ	ON	2008/10/21 08:53
S27	72	S17 and light same (light or photo or optical) near3 (diode or detector or receiver or sensor) same cursor control	US- PGPUB; USPAT	ADJ	ON	2008/10/21 09:30
S28	4	S17 and light same (light or photo or optical) near3 (diode or detector or receiver or sensor) same optical grating	US- PGPUB; USPAT	ADJ	ON	2008/10/21 09:35
S29	8	S17 and (light or photo or optical) near3 (diode or detector or receiver or sensor) same optical grating	US- PGPUB; USPAT	ADJ	ON	2008/10/21 09:36
S30	14	S17 and optical grating	US- PGPUB; USPAT	ADJ	ON	2008/10/21 09:37
S31	14	("3553470"   "4581603"   "4782327"   "4935728"   "5357094"   "5704037"   "5760764").PN. OR ("6034668").URPN.	US- PGPUB; USPAT; USOOR	ADJ	ON	2008/10/21 09:38
S32	1	S31 and optical grating'	US- PGPUB; USPAT; USOOR	ADJ	ON	2008/10/21 09:38
S33	1	S31 and optical grating	US- PGPUB; USPAT; USOOR	ADJ	ON	2008/10/21 09:38
S34	1	cursor control with optical grating	US- PGPUB; USPAT; USOOR	ADJ	ON	2008/10/21 09:39
S35	1	cursor control same optical grating	US- PGPUB; USPAT; USOOR	ADJ	ON	2008/10/21 09:39

S36	24	cursor control and optical grating	US- PGPUB; USPAT; USOOR	ADJ	ON	2008/10/21 09:39
S37	4062	optical grating	US- PGPUB; USPAT; USOOR	ADJ	ON	2008/10/21 09:40
S38	13	navigation button same cellphone	US- PGPUB; USPAT	ADJ	ON	2008/10/21 10:54
S39	73	"4" way with rocker switch	US- PGPUB; USPAT	ADJ	ON	2008/10/21 10:55
S40	127	optical same rocker switch	US- PGPUB; USPAT	ADJ	ON	2008/10/21 10:56
S41	534	"4" way near3 switch	US- PGPUB; USPAT	ADJ	ON	2008/10/21 10:57
S42	5	"4" way near3 switch with optical	US- PGPUB; USPAT	ADJ	ON	2008/10/21 10:57
S43	0	"4" way near3 switch same cellphone	US- PGPUB; USPAT	ADJ	ON	2008/10/21 10:58
S44	2	"4" way near3 switch same cell phone	US- PGPUB; USPAT	ADJ	ON	2008/10/21 10:59
S45	11	"4" way near3 switch near5 navigat\$3	US- PGPUB; USPAT	ADJ	ON	2008/10/21 10:59
S46	422	optical grating near4 reflect\$3	US- PGPUB; USPAT	ADJ	ON	2008/10/22 09:00
S47	0	optical grating near4 (improv\$3 or better) near2 reflect\$3	US- PGPUB; USPAT	ADJ	ON	2008/10/22 09:00
S48	296	optical grating near2 reflect\$3	US- PGPUB; USPAT	ADJ	ON	2008/10/22 09:01
S49	0	optical grating near2 reflect\$3 near5 efficiency	US- PGPUB; USPAT	ADJ	ON	2008/10/22 09:02
S50	0	optical grating near2 reflect\$3 with efficiency	US- PGPUB; USPAT	ADJ	ON	2008/10/22 09:02
S51	94	optical grating with efficiency	US- PGPUB; USPAT	ADJ	ON	2008/10/22 09:02

S52	65	optical grating with (wave or light) guide	US- PGPUB; USPAT	ADJ	ON	2008/10/22 09:06
S53	65	optical grating with (wave or light) guide and optical grating	US- PGPUB; USPAT	ADJ	ON	2008/10/22 09:09
S54	1	("6,196,691").PN.	US- PGPUB; USPAT	OR	OFF	2008/10/22 09:12

10/22/2008 9:29:09 AM

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